

Accounting (Associate in Science Degree)

The accounting program has four goals:

1. To prepare students to be accounting paraprofessionals. The accounting employee with an associate degree can fill positions in business, industry and government including cost-accounting technician, budget technician, general bookkeeper, and various positions in the federal government;
2. To provide students with an opportunity to take accounting courses in order to advance in their present job or to qualify for a promotion. These students may only require a few courses and may not wish to earn a degree;
3. To provide accounting courses to students earning degrees in related areas such as business administration; and
4. To allow the largest amount of credits to transfer to as many four-year colleges and universities as possible. We recommend that students be familiar with the requirements for the institution to which they will transfer. We encourage students to select their transfer college or university as early as possible. Students should see an advisor before choosing elective courses.

NOTE: Accounting majors who wish to earn a certificate in a business or computer field while earning their associate degree in accounting need only select appropriate courses as their electives.

MAJOR REQUIREMENTS

(2.0 GPA required)

ACC* 115	Financial Accounting	4
+ ACC* 118	Managerial Accounting	4
+ ACC* 123	Accounting Software Applications	OR
+ CSA* 135	Spreadsheet Applications	3
+ ACC* 275	Principles of Intermediate Accounting I	4
+ ACC* 276	Principles of Intermediate Accounting II	4
+ ACC* 233	Principles of Cost Accounting	4
BMG* 202	Principles of Management	3
BBG* 234	Legal Environment of Business	3
Two courses from among ACC* (ACC* 108 or higher), BBG*, BES*, BFN*, BMG*, or a 3 credit CSA* course		6-8
Subtotal:		35-37

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
BBG* 210	Business Communication	OR
HUM 185	Problem Solving & Decision Making	OR
SOC 190	Self&Others: Dynamics of Diversity	OR
COM* 173	Public Speaking	3
Humanities Elective		3

FINE ARTS

Fine Arts Elective	3
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MATH

+ MAT* 104 or higher	3
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

SOCIAL AND BEHAVIORAL SCIENCES

ECN* 101	Principles of Macroeconomics	OR
ECN 102	Principles of Microeconomics	3

ELECTIVES

Open Elective above 100	3-4
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SUGGESTED SEMESTER SEQUENCE

**Semester 1		
ACC* 115	Financial Accounting	4
+ ENG* 101	Composition	3
+ MAT* 104 or higher**		3
Fine Arts Elective		3-4
+ Science Elective**		3-4

Subtotal: 16-18

***For transfer students, a lab science is recommended.*

**Semester 2		
BMG* 202	Principles of Management	3
COM* 173	Public Speaking	3
+ ACC* 118	Managerial Accounting	4
+ ACC* 123	Accounting Software Applications	OR
+ CSA* 135	Spreadsheet Applications	3
BBG* 210	Business Communication	OR
HUM 185	Problem Solving & Decision Making	3

Subtotal: 16

***Transfer students should consult transfer institutions for course recommendations.*

**Semester 3		
+ ACC* 275	Principles of Intermediate Accounting I	4
+ ACC* 233	Principles of Cost Accounting	4
BBG* 234	Legal Environment of Business	3
ECN* 101	Principles of Macroeconomics	3
Select ONE course from among ACC* (ACC* 108 or higher), BBG*, BES*, BFN*, BMG*, BMK*, or a 3 credit CSA* course		3-4

Subtotal: 17-18

**Semester 4		
+ ACC* 276	Principles of Intermediate Accounting II	4
Humanities Elective		3
Open Elective higher than 100		3-4
Select ONE course from among ACC* (ACC* 108 or higher), BBG*, BES*, BFN*, BMG*, BMK*, or a 3 credit CSA* course		3-4

Subtotal: 13-15

MINIMUM TOTAL: 60

+ Prerequisite Required

***Some courses are not offered every semester. Please see an advisor to assist you in your plan of study.*

Business Administration (Associate in Science Degree)

The business administration degree and courses are designed to prepare students for work in either profit or not-for-profit organizations in the 21st century. Rapid changes in organizations are continuing to change the nature of work. This rapid pace of change will continue to provide many people in organizations with opportunities for challenging jobs. With reductions in the number of middle managers, many workers' jobs become more interesting as organizations provide opportunities for planning, working with others, developing new ideas, and implementing new concepts. Business courses are designed to prepare students for this exciting and challenging work environment.

Students completing the degree may choose to transfer to a four-year college, move immediately into work, or combine work with further education. Business faculty are available to discuss course and career planning and strongly encourage students to seek out this counsel.

MAJOR REQUIREMENTS

(2.0 GPA required)

BMG* 202	Principles of Management	3
+ BMK* 201	Principles of Marketing	3
BBG* 234	Legal Environment of Business	3
ACC* 115	Financial Accounting	4
+ ACC* 118	Managerial Accounting	4
	Select TWO courses from among BBG*, BES*, BFN*, BMG*, or BMK*	6
+ A Computer Course (CSA*, CSC*, CST*)		3-4

Subtotal: 26-27

Note: Students are strongly advised to select courses with the assistance of a faculty advisor, based upon the student's career interests and transfer institution requirements.

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition (Minimum "C" grade required)	3
BBG* 210	Business Communication	OR
	One other English course above 100	OR
SOC 190	Self&Others: Dynamics of Diversity	OR
COM* 173	Public Speaking	3
+ HUM* 185	Problem Solving and Decision Making	3

HUM 185 is a required course and is only offered in the spring semester.)*

FINE ARTS

Fine Arts Elective	3-4
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MATH

+ Two Math courses MAT* 104 or higher	6-8
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Transfer students should consult transfer institutions for course recommendations.

OPEN ELECTIVES

Two courses higher than 100	7
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SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

SOCIAL AND BEHAVIORAL SCIENCES

Two electives in this category	6
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Note: Economics is strongly recommended.

SUGGESTED SEMESTER SEQUENCE:

Semester 1

+ ENG* 101	Composition	3
	Social and Behavioral Sciences Elective	3
	Math Elective (MAT* 104 or higher**)	3-4
	Appropriate Business course (if BMG* 202 is taken, then BMK* 201 is recommended also)	3
	A course that fits a particular student's program requirements.	3-4

Subtotal: 15-17

*** Transfer students should consult transfer institutions for course recommendations.*

Semester 2

+ Math Elective (MAT* 104 or higher**)	3-4
Two Business courses (BMG* 202 and BMK* 201 if not already taken)	6
+ CSA*, CSC*, or CST* Course	3-4
A course that fits a particular student's program requirements.	3-4

Subtotal: 15-18

*** Transfer students should consult transfer institutions for course recommendations.*

Semester 3

ACC* 115	Financial Accounting	4
BBG* 234	Legal Environment of Business	3
	Open Elective - courses that fit a particular student's program requirements.	3-4
	Humanities Elective	3
+ Science Elective**		3-4
	For transfer students, a lab science is recommended.	

Subtotal: 16-18

*** For transfer students, a lab science is recommended.*

Semester 4

+ ACC* 118	Managerial Accounting	4
+ HUM* 185	Problem Solving and Decision Making	3
	Open Elective - courses that fit a particular student's program requirements.	3-4
	Fine Arts Elective	3
	Social and Behavioral Sciences Elective	3

Subtotal: 16-17

MINIMUM TOTAL: 60

NOTE: Because of the flexibility of the business degree, courses can be taken in various sequences. Listed above are only those courses that we highly recommend for specific semesters. Students should see a faculty member or counselor for personal course planning. Students who must take courses below English 101 are strongly urged not to take any business courses until they qualify for English 101.

Communications (Associate in Science Degree)

The Communications program is designed to provide a foundation of knowledge and skills needed in this rapidly changing industry. Students may choose the Communications A.S. degree, which provides a broad overview of communications, or they may specialize their studies with the Broadcasting or Journalism options. The Communications program emphasizes hands-on experience in the classroom, through internships, and in the Radio Practicum course. This program is intended for students wishing to transfer to four-year schools to further their studies and complete baccalaureate degrees.

MAJOR REQUIREMENTS

(2.0 GPA required)

COM* 101	Introduction to Mass Communication	3
COM* 121	Journalism I	3
COM* 131	Audio Production	3
COM* 241	Television Production	3
+ COM* 295	Internship I	OR
+ COM* 191	Radio Practicum (1 credit)	OR
COM* Elective		1-3
+ CST* 150	Web Design and Development I	3
DGA* 128	Digital Photography	3
THR* 107	History of Film	3
A minimum of six credits from the following:		6
ART* 141	Photography I	
+ COM* 122	Sports Reporting	
COM* 166	Video Filmmaking	
COM* 200	Social Media Marketing	
+ COM* 232	Advanced Audio Production	
+ COM* 296	Internship II OR	
One course from:		
BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, THR*		
Subtotal:		28-30

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 102	Literature & Composition	OR
+ ENG* 103	Composition II	3
COM* 173	Public Speaking	3
Humanities Elective		3

FINE ARTS

Fine Arts Elective	3-4
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MATH

+ Math Elective	3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
Two electives in this category		6

OPEN ELECTIVES

Open Elective higher than 100	3-4
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SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
COM* 101	Introduction to Mass Communication	3
COM* 131	Audio Production	3
SOC* 190	Self and Others: Dynamics of Diversity	3
Fine Arts Elective		3-4
Subtotal:		15-16

Semester 2		
COM* 121	Journalism I	3
COM* 241	Television Production	3
+ ENG* 102	Literature & Composition OR	3
+ ENG* 103	Composition II	
Math Elective **		3-4
Social and Behavioral Sciences Elective		3
Subtotal:		15-16

**Transfer students should consult transfer institutions for course recommendations.

Semester 3		
COM* 173	Public Speaking	3
+ CST* 150	Web Design & Development I	3
DGA* 128	Digital Photography	3
Science Elective**		3-4
Humanities Elective		3
In addition, students must take 1-3 credits from the following:		1-3
+ COM* 295	Internship I (3 credits)	
+ COM* 191	Radio Practicum (1 credit)	
COM* Elective (3 credits)		
Subtotal:		16-19

**For transfer students, a lab science is recommended.

Semester 4		
THR* 107	History of Film	3
Social and Behavioral Sciences Elective		3-4
Open Elective		3-4
In addition students must take a minimum of six credits from the following:		6
ART* 141	Photography I	
+ COM* 122	Sports Reporting	
COM* 166	Video Filmmaking	
COM* 200	Social Media Marketing	
+ COM* 232	Advanced Audio Production	
+ COM* 296	Internship II	
One course from BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, THR*		

Subtotal: 15-17

MINIMUM TOTAL: 61

Communications: Broadcasting Option (Associate in Science Degree)

Students choosing the Broadcasting Option focus their studies on media production. Classes include audio, video, and television production, as well as Web design. Broadcasting students are encouraged to enroll in the Radio Practicum class and pursue internships, as hands-on experience is highly valued in this aspect of the communications industry. The Broadcasting Option is designed for students wishing to transfer to four-year schools to pursue baccalaureate degrees.

MAJOR REQUIREMENTS

(2.0 GPA required)

COM*101	Introduction to Mass Communication	3
COM*131	Audio Production	3
COM*166	Video Filmmaking	3
+ COM*232	Advanced Audio Production	3
COM*241	Television Production	3
+ COM*295	Internship I	OR
COM*	Elective	1-3
+ CST* 150	Web Design & Development I	3
+ THR* 110	Acting I	3
Minimum of six credits from the following:		6-7
ART* 141	Photography I	
COM*121	Journalism I	
+ COM* 122	Sports Reporting	
COM*200	Social Media Marketing	
+ COM*296	Internship II	
One course from BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, or THR* designation.		
Subtotal:		28-31

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 102	Literature & Composition	OR
+ ENG* 103	Composition II	3
COM*173	Public Speaking	3
	Humanities Elective	3

FINE ARTS

Fine Arts Elective	3-4
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MATH

+ Math Elective	3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

OPEN ELECTIVES

Open Elective higher than 100	3-4
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
Two electives in this category		6

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
COM*101	Introduction to Mass Communication	3
COM*131	Audio Production	3
SOC* 190	Self and Others: Dynamics of Diversity	3
	Fine Arts Elective	3-4
Subtotal:		15-16

Semester 2		
COM*241	Television Production	3
+ COM*232	Advanced Audio Production	3
+ ENG* 102	Literature & Composition	OR
+ ENG* 103	Composition II	3
+ Math Elective**		3-4
	Social and Behavioral Sciences Elective	3
Subtotal:		15-16

** Transfer students should consult transfer institutions for course recommendations.

Semester 3		
COM*173	Public Speaking	3
+ CST* 150	Web Design & Development I	3
COM*166	Video Filmmaking	3
+ Science Elective**		3-4
	Humanities Elective	3
In addition, students must take 1-3 credits from the following:		1-3
+ COM* 295	Internship I	
	COM* Elective	
Subtotal:		16-19

** For transfer students, a lab science is recommended.

Semester 4		
THR* 110	Acting I	3
	Social and Behavioral Sciences Elective	3
	Open Elective higher than 100	3-4
In addition, students must take a minimum of six credits from the following:		6
ART* 141	Photography I +	
COM*121	Journalism I +	
COM*122	Sports Reporting	
COM*200	Social Media Marketing +	
COM*296	Internship II	
One course from BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, THR*		
Subtotal:		15-16
MINIMUM TOTAL: 61		

DEGREES

Communications: Journalism Option (Associate in Science Degree)

The Journalism Option is intended to give students a foundation of skills in both traditional and new media. Classes emphasize the practical application of interviewing, writing, and editing stories for print, broadcast, and online distribution. The Journalism Option is designed to prepare students to transfer to four-year schools and earn baccalaureate degrees.

MAJOR REQUIREMENTS

(2.0 GPA required)

COM*101	Introduction to Mass Communication	3
COM*121	Journalism I	3
COM*131	Audio Production	3
COM*241	Television Production	3
+ COM*295	Internship I OR	1-3
+ COM*191	Radio Practicum (1 credit) OR	
COM* Elective		
+ CST* 150	Web Design & Development I	3
DGA* 128	Digital Photography	3
	Minimum of nine credits from the following:	9-10
ART* 141	Photography I	
+ COM*122	Sports Reporting	
COM* 166	Video Filmmaking	
COM*200	Social Media Marketing	
+ COM*232	Advanced Audio Production	
+ COM*296	Internship II OR	
	One course from BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, THR* designation.	
	Subtotal:	28-31

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
	(Minimum "C" grade required)	
+ ENG* 102	Literature & Composition OR	
+ ENG* 103	Composition II	3
COM*173	Public Speaking	3
	Humanities Elective	3

FINE ARTS

	Fine Arts Elective	3-4
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MATH

+ Math Elective		3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective		3-4
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For transfer students, a lab science is recommended.

SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
	Two electives in this category	6

OPEN ELECTIVES

Open Elective higher than 100	3-4
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SUGGESTED SEMESTER SEQUENCE

Semester 1

+ ENG* 101	Composition	3
COM*101	Introduction to Mass Communication	3
COM*131	Audio Production	3
SOC* 190	Self and Others: Dynamics of Diversity	3
	Fine Arts Elective	3-4

Subtotal: 15-16

Semester 2

COM*121	Journalism I	3
COM*241	Television Production	3
+ ENG* 102	Literature & Composition OR	
+ ENG* 103	Composition II	3
+ Math Elective**		3-4
	Social and Behavioral Sciences	3

Subtotal: 15-16

**Transfer students should consult transfer institutions for course recommendations.

Semester 3

COM*173	Public Speaking	3
+ CST* 150	Web Design & Development I	3
DGA* 128	Digital Photography	3
	Science Elective**	3-4
	Humanities Elective	3
	In addition, students must take 1-3 credits from the following:	1-3
+ COM* 295	Internship I (3 credits)	
COM*191	Radio Practicum (1 credit)	
COM* Elective	(3 credits)	

Subtotal: 16-19

** For transfer students, a lab science is recommended.

Semester 4

	Social and Behavioral Sciences Elective	3
	Open Elective higher than 100	3-4
	In addition, students must take a minimum of nine credits from the following:	9
ART* 141	Photography I +	
+ COM*122	Sports Reporting	
COM* 166	Video Filmmaking	
COM* 200	Social Media Marketing	
+ COM*232	Advanced Audio Production	
+ COM*296	Internship II	
	One course from BBG*, BES*, BFN*, BMG*, BMK*, DGA*, GRA*, THR*	

Subtotal: 15-16

MINIMUM TOTAL: 61

Criminal Justice

(Associate in Science Degree)

This program provides a broad overview of the field of criminal justice and will prepare students for careers in this field. Program graduates may be employed as law enforcement officers, correctional officers, case workers, and court advocates.

MAJOR REQUIREMENTS

(2.0 GPA required)

CJS* 101	Introduction to Criminal Justice	3
CJS* 102	Introduction to Corrections	OR
CJS* 244	Community Based Corrections	3
CJS* 120	Police and the Community	3
+ CJS* 201	Criminology	OR
+ CJS* 202	Juvenile Delinquency	3
+ CJS* 211	Criminal Law I	3
+ CJS* 213	Evidence & Criminal Procedure	3
CJS* Elective		1
+ CJS* 290	Practicum in Criminal Justice	OR
CJS* Elective		3
Subtotal:		22

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 103	Composition II (or higher with permission)	3
COM*173	Public Speaking	3
	Humanities Elective	3

FINE ARTS

	Fine Arts Elective	3-4
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MATH

+ MAT* 104	or higher	3-4
<i>Transfer students should consult transfer institutions for course recommendations.</i>		

SCIENCE

+ Science Elective		3-4
<i>For transfer students, a lab science is recommended.</i>		

SOCIAL AND BEHAVIORAL SCIENCES

POL* 111	American Government	OR
POL* 112	State and Local Government	3
PSY* Elective	(Any Psychology Course)	3
SOC* 101	Principles of Sociology	3
SOC* 190	Self and Others: Dynamics of Diversity	3

ELECTIVES

	Directed Elective (with permission from Coordinator)	3
	Open Elective higher than 100	3-4

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
PSY* Elective	(Any Psychology Course)	3
SOC* 190	Self and Others: Dynamics of Diversity	3
SOC* 101	Principles of Sociology	3
CJS* 101	Introduction to Criminal Justice	3
CJS* Elective		1
Subtotal:		16

Semester 2		
+ ENG* 103	Composition II (or higher with permission)	3
COM*173	Public Speaking	3
CJS* 102	Introduction to Corrections	OR
CJS* 244	Community Based Corrections	3
POL* 111	American Government	OR 3
POL* 112	State and Local Government	
+ MAT* 104	or higher**	3
Subtotal:		15-16

** *Transfer students should consult transfer institutions for course recommendations.*

Semester 3		
CJS* 120	Police and the Community	3
+ CJS* 213	Evidence and Criminal Procedure	3
+ Science Elective**		3-4
	Humanities Elective	3
	Directed Elective (with permission of Coordinator)	3
Subtotal:		15-16

** *For transfer students, a lab science is recommended.*

Semester 4		
+ CJS* 201	Criminology	OR
+ CJS* 202	Juvenile Delinquency	3
+ CJS* 211	Criminal Law I	3
	Fine Arts Elective	3-4
	Open Elective higher than 100	3-4
	CJS* Elective	OR
+ CJS* 290	Practicum in Criminal Justice	3
Subtotal:		15-17
MINIMUM TOTAL: 61		

Early Childhood Education (Associate in Science Degree)

Students who earn the Early Childhood Education Associate in Science Degree obtain employment as teacher assistants, paraprofessionals, literacy aides, and teachers of young children, ages birth through second grade, in private and public care and education settings in both Connecticut and Massachusetts. (Students wishing to teach in third grade and higher are advised to complete the A.S. in Liberal Studies to increase their likelihood of credits transferring to a four-year college.)

Graduates of this program may also choose to transfer credits earned to a four-year college to continue on to earn the Bachelor's Degree in Early Childhood Education and certification for careers working in public school settings, day cares, preschools, family resource centers and after school programs.

Our courses meet the Connecticut Head Teacher requirements and Massachusetts EEC Levels I, II, and III Certification requirements. The Early Childhood Education Associate Degree is accredited by the National Association for the Education of Young Children (NAEYC) and upholds these standards in both our Early Childhood Education Certificate and Degree programs.

MAJOR AREA REQUIREMENTS

(2.0 GPA required)

ECE* 101	Introduction to Early Childhood Education	3
ECE* 103	Creative Experiences/Children	3
+ ECE* 210	Observation, Participation and Seminar	3
ECE* 176	Health, Safety and Nutrition	3
+ ECE* 215	The Exceptional Learner	3
+ ECE* 231	Early Language and Literacy Development	3
+ ECE* 295	Student Teaching Practicum	6
		Subtotal: 24

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 102	Literature & Composition	3
ENG* 114	Children's Literature	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	

FINE ARTS

Fine Arts Elective	3-4
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MATH

+ MAT* 104 or higher	3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

SOCIAL AND BEHAVIORAL SCIENCES

PSY* 111	General Psychology I	3
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+ PSY* 203	Child Development	3
SOC* 101	Principles of Sociology	3
SOC* 190	Self & Others: Dynamics of Diversity	3

ELECTIVES

Open Elective higher than 100 (For transfer students, HIS* recommended)	3-4
ECE* Elective OR SOC* Elective	3

SUGGESTED SEMESTER SEQUENCE

Semester 1

+ ENG* 101	Composition	3
ECE* 101	Introduction to Early Childhood Education	3
ECE* 176	Health, Safety, & Nutrition	3
PSY* 111	General Psychology I	3
+ MAT* 104 or higher**		3

Subtotal: 15

**Transfer students should consult transfer institutions for course recommendations.

Semester 2

ECE* 103	Creative Experiences/Children	3
ENG* 114	Children's Literature	3
+ ENG* 102	Literature & Composition	3
+ ECE* 215	The Exceptional Learner	3
SOC* 101	Principles of Sociology	3
SOC* 190	Self and Others: Dynamics of Diversity	3

Subtotal: 18

Semester 3

+ ECE* 210	Observation, Participation and Seminar	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	
+ PSY* 203	Child Development	3
ECE* Elective OR SOC* Elective		3
+ ECE* 231	Early Language & Literacy Development	3

Subtotal: 15

Semester 4

+ ECE* 295	Student Teaching Practicum	6
Open Elective higher than 100	3-4	
+ Science Elective**	3-4	
Fine Arts Elective	3-4	

Subtotal: 15-18

MINIMUM TOTAL: 63

**For transfer students, a lab science is recommended.

NOTE: For students who want to go directly to the workforce, recommended courses include ECE* 141—Infant/Toddler Growth and Development, ECE* 109—Science & Math for Children, ECE* 182—Child Development, ECE* 275—Child, Family and School Relationships, or ECE* 225—Antibias Issues in Early Childhood Education.

College of Technology: Engineering Science (Associate in Science Degree)

The Engineering Pathway program is offered system-wide. It consists of coursework in engineering, mathematics, and the sciences, and GENERAL EDUCATION requirements that provide a solid comprehensive background for continuation in a four-year engineering degree program. A grade average of "B" with no grade less than "C" is required for automatic continuation at the University of Connecticut's School of Engineering, University of Hartford's College of Engineering, or the University of New Haven. The curriculum is designed to serve as the first two years of the Bachelor of Science degree. Some courses in this program are not offered at Asnuntuck Community College but can be taken at other Connecticut community colleges.

MAJOR REQUIREMENTS

(3.0 GPA required)

+ MAT* 268	Calculus III, Multivariable	4
+ MAT* 285	Differential Equations	3
+ ENGR XXX	Applied Mechanics I	3
+ ENGR XXX	Applied Mechanics II	3
+ PHY* 221	Calculus-Based Physics I	4
+ PHY* 222	Calculus-Based Physics II	4
+ CSC* 210	C Programming	3
	Two Technical Electives OR	
	Foreign Language Electives (2)	6
		Subtotal: 30

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition (Minimum "C" grade required)	3
+ ENG* 103	Composition II	3

FINE ARTS

	Fine Arts Elective	3
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SOCIAL AND BEHAVIORAL SCIENCES/HUMANITIES

SOC* 190	Self and Others: Dynamics of Diversity	3
	Two Electives in this category: (History, Western Culture recommended)	6
	Humanities: PHL* recommended	OR

MATH

+ MAT* 254	Calculus I	4
+ MAT* 256	Calculus II	4

SCIENCE

+ CHE* 121	General Chemistry I	4
+ CHE* 122	General Chemistry II	4
		Subtotal: 34

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
CHE* 121	General Chemistry I	4
+ MAT* 254	Calculus I	4
+ CSC* 210	C Programming	3
	Fine Arts Elective	3
		Subtotal: 17

Semester 2		
+ ENG* 103	Composition II	3
+ CHE* 122	General Chemistry II	4
+ MAT* 256	Calculus II	4
	Social and Behavioral Sciences Elective (History, Western Culture recommended)	3
		Subtotal: 14

Semester 3		
+ ENGR XXX	Applied Mechanics I	3
+ MAT* 268	Calculus III, Multivariable	4
+ PHY* 221	Calculus-Based Physics I	4
	Technical or Foreign Language Elective	3
	Social and Behavioral Sciences Elective OR Humanities (Philosophy recommended)	3
		Subtotal: 17

Semester 4		
+ ENGR XXX	Applied Mechanics II	3
+ MAT* 285	Differential Equations	3
+ PHY* 222	Calculus-Based Physics II	4
	Technical or Foreign Language Elective	3
SOC* 190	Self and Others: Dynamics of Diversity	3
		Subtotal: 16
MINIMUM TOTAL: 64		

DEGREES

General Studies (Associate in Science Degree)

This program is designed for students who wish to explore a broad range of subjects and interests. The General Studies program allows for maximum flexibility in the choice of courses. Students should regularly seek advising to align course selection with academic and career goals.

REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
	(Minimum "C" grade required)	
+ ENG* 102	Literature and Composition	3
COM* 173	Public Speaking	OR
THR* 110	Acting I	3

FINE ARTS

Fine Arts Elective		3-4
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HUMAN DEVELOPMENT

HDEV 101	First Year Experience	3
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
Three Electives in this category		9

MATH

+ Math Elective		3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective		3-4
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For transfer students, a lab science is recommended.

ELECTIVES

Open Electives higher than 100		30-40
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SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	
HDEV 101	First Year Experience	3
+ Math Elective**		3-4
Open Elective higher than 100		3-4

Subtotal: 15-17

*** Transfer students should consult transfer institutions for course recommendations.*

Semester 2		
Fine Arts Elective		3-4
+ ENG* 102	Literature & Composition	3
SOC* 190	Self and Others: Dynamics of Diversity	3
+ Science Elective**		3-4
Open Elective higher than 100		3-4

Subtotal: 15-18

***For transfer students, a lab science is recommended.*

Semester 3		
Social and Behavioral Sciences Electives (Two courses)		6
Open Electives (Four courses)		12-16

Subtotal: 18-22

Semester 4		
Social and Behavioral Sciences Elective		3
Open Electives (Four courses)		12-16

Subtotal: 15-19

MINIMUM TOTAL: 63

Human Services (Associate in Science Degree)

The field of Human Services is broadly defined, uniquely approaching the objective of meeting human needs through an interdisciplinary knowledge base, focusing on prevention as well as remediation of problems, and maintaining a commitment to improving the overall quality of life of service populations. The Human Services profession is one which promotes improved service delivery systems by addressing not only the quality of direct services, but also by seeking to improve accessibility, accountability, and coordination among professionals and agencies in human service delivery. (National Organization for Human Services.)

Because the field of Human Services is so diverse, coursework at the A.S. level reflects this as well. Students are advised which electives to take based on career and educational goals that may focus on mental health, case work, gerontology, working with juvenile offenders and more. Course work culminates in two capstone courses: Human Services Agencies and Organizations and Field Work.

MAJOR REQUIREMENTS

(2.0 GPA required)

HUMAN SERVICES

HSE* 101	Introduction to Human Services	3
+HSE* 241	Human Services Agencies and Organizations	3
+HSE* 281	Human Services Field Work I	3
+PSY* 212	Health Psychology OR	3
HSE* 236	Legal Issues in Human Services	
		Subtotal: 12

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition (Minimum "C" grade required)	3
+ ENG* 102	or higher	3
COM* 173	Public Speaking	3

FINE ARTS

Fine Arts Elective		3-4
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SOCIAL AND BEHAVIORAL SCIENCES

POL* 111	American Government OR	3
POL* 112	State and Local Government	
PSY* 111	General Psychology I	3
+ PSY* 112	General Psychology II	OR
+ PSY* 143	Counseling Skills*	3
+ PSY* 201	Life Span Development	OR
+ PSY* 245	Abnormal Psychology	3
SOC* 101	Principles of Sociology	3
SOC* 190	Self and Others: Dynamics of Diversity	3

MATH

+ MAT* 104 or higher		3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective		3-4
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For transfer students, a lab science is recommended.

ELECTIVES

Open Electives		12-16
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**It is highly recommended you take PSY* 112 as one of your open electives, as this course is a pre-requisite for PSY* 143.*

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
SOC* 190	Self and Others: Dynamics of Diversity	3
HSE* 101	Introduction to Human Services	3
PSY* 111	General Psychology I	3
+ MAT* 104 or higher **		3-4
		Subtotal: 15-16

***Transfer students should consult transfer institutions for course recommendations.*

Semester 2		
+ ENG* 102	or higher	3
+ PSY* 133	Peer Counseling Training	OR
+ PSY* 143	Counseling Skills	3
SOC* 101	Principles of Sociology	3
+ HSE* 241	Human Services Agencies and Organizations	3
COM* 173	Public Speaking	3
		Subtotal: 15

Semester 3		
Open Elective		3-4
+ PSY 201	Life Span Development	OR
+ PSY* 245	Abnormal Psychology	3
POL* 111	American Government	OR
POL* 112	State and Local Government	3
HSE* 236	Legal Issues in Human Services	OR
+ PSY* 212	Health Psychology	3
Fine Arts Elective		3-4
		Subtotal: 15-17

Semester 4		
+ HSE* 281	Human Services Field Work I	3
+ Science Elective**		3-4
Three Open Electives higher than 100		9-12
		Subtotal: 15-19
MINIMUM TOTAL: 60		

***For transfer students, a lab science is recommended.*

Liberal Arts (Associate in Arts Degree)

This program provides a broad background in humanities, social sciences, natural sciences, and mathematics. The Liberal Arts program of study closely aligns with the general education and liberal arts coursework typically required by four-year colleges and universities. It is intended to provide maximum opportunity for transfer.

MAJOR REQUIREMENTS

(2.0 GPA required)

HUMANITIES

+ ENG* 101	Composition (Minimum "C" grade required)	3
+ ENG* 102	Literature & Composition	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	
	Humanities Elective	3

FINE ARTS ELECTIVE

	Fine Arts Elective	3-4
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FOREIGN LANGUAGE

	Two sequential semesters of language	6
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HUMAN DEVELOPMENT

HDEV 101	First Year Experience	3
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
	Choose one course from: ANT*, PSY*, SOC*	3
	Choose one course from: ECN*, POL*	3
	Choose one course from: HIS*	3

MATH

+ Math Elective	104 or higher	3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective		3-4
+ Lab Science Elective		4

For transfer students, a lab science is recommended.

LIBERAL ARTS ELECTIVES

	Four Electives in this category	12-16
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ELECTIVES

	Two Open Electives 100 or higher	6-8
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SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
SOC* 190	Self and Others: Dynamics of Diversity	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	
+ Math Elective	MAT* 140 or higher	3-4
HDEV 101	First Year Experience	3
		Subtotal: 15-16

Semester 2		
+ ENG* 102	Literature & Composition	3
	Humanities Elective	3
	Science Elective (1 lab science required)	4
	Social and Behavioral Sciences Elective	3
	Liberal Arts Elective	3-4
		Subtotal: 16-17

Semester 3		
	Foreign Language	3
	Science Elective	3-4
	Fine Arts Elective	3-4
	Social and Behavioral Sciences Elective	3
	Liberal Arts Elective	3-4
		Subtotal: 15-18

Semester 4		
	Foreign Language	3
	Social and Behavioral Sciences Elective	3
	Liberal Arts Electives	6-8
	Open Electives	6-8
		Subtotal: 18-22
MINIMUM TOTAL: 64		

Students can be waived from the foreign language requirement with the following documented qualifications. If waived, students will need to substitute 6-8 Liberal Arts credits to replace the foreign language requirement. Note: these options reflect policy of Asnuntuck Community College only. Options may differ with other postsecondary institutions, including minimum grade restrictions.

1. Three sequential years of one language in high school, with a minimum C grade in the third year.
2. Two sequential years of one language in high school and one second-level college language course in the same language, with a minimum C grade in the second-level language course.
3. Demonstration of equivalent competency of a language other than English.

Liberal Arts

(Associate in Arts Degree)

Plan of Study with The University of Connecticut Psychology Department as of October 21, 2008

This is a transfer agreement between Asnuntuck Community College and the University of Connecticut for students majoring in psychology. Courses must be completed within seven years of transfer with a grade of C or better. Contact Dr. Jean Egan at 860.253.3114 or jegan@asnuntuck.edu for details. Information is available on the Asnuntuck Community College website and the UCONN Transfer website.

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
PSY* 111	General Psychology I	3
HDEV 101	First Year Experience	3
+ MAT* 137	Intermediate Algebra	3
	Humanities Elective (COM* 173 or THR* 110)	3
		Subtotal: 15

Semester 2		
+ ENG* 102	Literature & Composition	3
	Humanities Elective (PHL* 101, 111, 131 or 150)	3
	1st Semester of a Language OR	3
+ MAT* 146	Math for Liberal Arts	3
	Lab Science (BIO* 121 or BIO* 122)	4
PSY* 112	General Psychology II	3
		Subtotal: 16

Semester 3		
	Art Elective (ART* 100, 101, 102 or THR*101)	3
SOC* 190	Self & Others	3
	Social Science Elective (ECN* 101, 102 or POL* 103, 111)	3
	Science Elective (OCE* 101 or BIO* 115)	3-4
	2nd Semester of a Language	OR
	Liberal Arts Elective (ENG* 114, 211, or 213)	3
PSY* 203, 240, 243, or 245		3
		Subtotal: 18-19

Semester 4		
	Social Science (HIS* 101, 102, 201, or 202)	3
+ MAT* 167	Principles of Statistics	3
ANT* 101	Introduction to Anthropology	3
	PSY* 203, 240, 243, or 245	3
SOC* 101	Principles of Sociology	3
		Subtotal: 15
MINIMUM TOTAL: 64		

RECOMMENDED ELECTIVES: ART*, BIO* 121, 122, ENG* 103, MAT* 222, HIS*, HIS*101, 201, 202, HUM*, PHL* 101, 111, 131.

LIBERAL ARTS/PERFORMING ARTS ELECTIVES: ART*, BIO*, CHE*, COM*, ENG*, THR*, MAT*, PHL*, PHY*

SOCIAL SCIENCE ELECTIVES: ANT*, ECN*, GEO*, HIS*, POL*, SOC*

***SUGGESTED PSYCHOLOGY ELECTIVES:** PSY* 203, 240, 243, 245.

*Psychology courses that have been articulated with UCONN. Only two of the 200-level psychology courses will transfer into the Psychology Major at UCONN. Students must earn a grade of C or better; courses must be completed within seven years prior to transfer to UCONN. Other courses may be used for credit toward graduation pending approval by UCONN.

Students can be waived from the foreign language requirement with the following documented qualifications. If waived, students will need to substitute 6-8 Liberal Arts credits to replace the foreign language requirement. Note: these options reflect policy of Asnuntuck Community College only. Options may differ with other postsecondary institutions, including minimum grade restrictions.

1. Three sequential years of one language in high school, with a minimum C grade in the third year.
2. Two sequential years of one language in high school and one second-level college language course in the same language, with a minimum C grade in the second-level language course.
3. Demonstration of equivalent competency of a language other than English.

If waived, ENG* 114, 211, 213, 233, or MAT*146 recommended.

Liberal Arts – Fine Arts Option (Associate in Arts Degree)

This program provides a focus on the basic principles of element and design of a work of art as explored primarily through Design I, Color Theory, Drawing I, and Illustration. Courses in photography and other studio areas are also offered. The requirements of art history and other liberal arts courses support the student in acquiring a broad view of human experience. The program transfers well to a four-year institution. It is recommended that students confer with a transfer counselor early on in their experience at Asnuntuck.

MAJOR REQUIREMENTS

(2.0 GPA required)

ART* 123	Design I	3
ART* 101	Art History I OR	3
ART* 102	Art History II	
	Choose TWO of the following:	6
	ART*, DGA*, GRA*, or THR* 107	
ART* 100	Humanities (Directed Elective)	3
	Art Appreciation	
ART* 111	Fine Arts (Directed Elective)	3
	Drawing I	
		Subtotal: 18

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 102	Literature & Composition OR	3
+ ENG* 103	Composition II	
COM* 173	Public Speaking OR	3
THR* 110	Acting I	

HUMAN DEVELOPMENT

HDEV 101	First Year Experience	3
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SOCIAL AND BEHAVIORAL SCIENCES & HUMANITIES

SOC* 190	Self and Others: Dynamics of Diversity	3
	Choose one course from: ANT*, PSY*, SOC*	3
	Choose one course from: ECN*, POL*	3
	Choose one course from: HIS*	3

MATH

+ Math Elective 104 or higher	3-4
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Transfer students should consult transfer institutions for course recommendations.

SCIENCE

+ Science Elective	3-4
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For transfer students, a lab science is recommended.

FOREIGN LANGUAGE

Two sequential semesters of language	6
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OPEN ELECTIVES

Open Elective 100 or higher	3-4
ART*, DGA*, GRA*, or THR* 107	
Open Elective 100 or higher	3-4

SUGGESTED SEMESTER SEQUENCE

Semester 1

HDEV 101	First Year Experience	3
ART* 111	Drawing I	3
+ ENG* 101	Composition	3
SOC* 190	Self and Others: Dynamics of Diversity	3
COM* 173	Public Speaking OR	3
THR* 110	Acting I	

Subtotal: 15

Semester 2

Lab Science Elective	4	
ART* 100	Art Appreciation	3
+ ENG* 102	Literature & Composition OR	3
+ ENG* 103	Composition II	
+ Math Elective 104 or higher**	3-4	
Social and Behavioral Sciences/Humanities Elective	3	

Subtotal: 16-17

***Transfer students should consult transfer institutions for course recommendations.*

Semester 3

+ Science Elective**	3-4	
Choose TWO (ART*, DGA*, GRA*, or THR* 107)	6	
ART* 101	Art History I	OR
ART* 102	Art History II	3
Foreign Language	3	

Subtotal: 15-16

***For transfer students, a lab science is recommended.*

Semester 4

ART* 123	Design I	3
Social and Behavioral Sciences/Humanities Electives	6	
Open Elective (ART*, DGA*, GRA*, or THR* 107)	3-4	
Open Elective 100 or higher	3-4	
Foreign Language	3	

Subtotal: 18-20

MINIMUM TOTAL: 64

Students can be waived from the foreign language requirement with the following documented qualifications. If waived, students will need to substitute 6-8 Liberal Arts credits to replace the foreign language requirement. Note: these options reflect policy of Asnuntuck Community College only. Options may differ with other postsecondary institutions, including minimum grade restrictions.

1. Three sequential years of one language in high school, with a minimum C grade in the third year.
2. Two sequential years of one language in high school and one second-level college language course in the same language, with a minimum C grade in the second-level language course.
3. Demonstration of equivalent competency of a language other than English.

Technology Studies: Machine Technology Option (Associate in Science Degree)

Pathway to entry into Central Connecticut State University's School of Technology
(2.0 GPA required with no grade less than "C")

The Technology Studies—Machine Technology Option provides a solid, comprehensive GENERAL EDUCATION in engineering technology, industrial technology, mathematics, and sciences, as provided by the standard Technology Studies program, but with a concentrated focus on machining technology. Completion of the entire program with an average grade of "C" provides for automatic continuation at Central Connecticut State University's School of Technology or Charter Oak State College, where the student can earn a bachelor of science degree in engineering technology, industrial technology, or technology education.

REQUIREMENTS

Not Counted Towards Degree

MFG* 050	Introduction to Manufacturing Math	3
MFG* 051	Manufacturing Math I	3
MFG* 071	Introduction to Blueprint Reading	1
MFG* 080	Manufacturing Graphics, Introduction to CAD/CAM	3
MFG* 091	Seminar Safety in World of Work	2
MFG* 092	Manufacturing Computers & Computer Systems	2
MFG* 093	Manufacturing Materials	2
Subtotal:		16

MAJOR AREA REQUIREMENTS

+ MFG* 124	Blueprint Reading I	2
+ MFG* 151	Manufacturing Machinery - Drill Press & Saw	1
+ MFG* 152	Manufacturing Machinery - Grinding	2
+ MFG* 153	Manufacturing Machinery - Benchwork	2
+ MFG* 154	Manufacturing Machinery - Lathe I	2
+ MFG* 155	Manufacturing Machinery - Milling I	2
+ MFG* 156	Manufacturing Machinery - CNC I	2
CAD* 220	Solid Works	3
+ MFG* 105	Manufacturing Math II	3
+ MFG* 125	Blueprint Reading II	3
+ QUA* 114	Principles of Quality Control	3
+ MFG* 254	Manufacturing Machinery - Lathe II	3
+ MFG* 255	Manufacturing Machinery - Milling II	3
+ MFG* 256	Manufacturing Machinery - CNC II	3
Subtotal:		34

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition (Minimum "C" grade required)	3
Humanities and/or Language Elective I		3
Humanities and/or Language Elective II		3

FINE ARTS

A Fine Arts Elective		3-4
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
Two Electives (HIS* or ECN* recommended)		6

MATH AND SCIENCE

+ MAT* 186	Precalculus	4
+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ MFG* 124	Blueprint Reading I	2
+ MFG* 151	Manufacturing Machinery - Drill Press & Saw	1
+ MFG* 152	Manufacturing Machinery - Grinding	2
+ MFG* 153	Manufacturing Machinery - Benchwork	2
+ MFG* 154	Manufacturing Machinery - Lathe I	2
+ MFG* 155	Manufacturing Machinery - Milling I	2
+ MFG* 156	Manufacturing Machinery - CNC I	2
CAD* 220	Solid Works	3
Subtotal:		16

Semester 2		
+ MFG* 105	Manufacturing Math II	3
+ MFG* 125	Blueprint Reading II	3
+ QUA* 114	Principles of Quality Control	3
+ MFG* 254	Manufacturing Machinery - Lathe II	3
+ MFG* 255	Manufacturing Machinery - Milling II	3
+ MFG* 256	Manufacturing Machinery - CNC II	3
Subtotal:		18

Semester 3		
+ ENG* 101	Composition	3
Social and Behavioral Sciences Elective (History or Economics Recommended)		3
+ MAT* 186	Precalculus	4
+ CHE* 111	Concepts of Chemistry	4
Humanities and/or Language Elective I		3
Subtotal:		17

Semester 4		
COM* 173	Public Speaking	3
Fine Arts Elective		3-4
Social and Behavioral Sciences Elective (History or Economics Recommended)		3
+ PHY* 110	Introductory Physics	4
SOC* 190	Self and Others: Dynamics of Diversity	3
Humanities and/or Language Elective II		3
Subtotal:		19-20

MINIMUM TOTAL: 70

Technology Studies: Manufacturing Electro- Mechanical Maintenance Technology Option (Associate in Science Degree)

This degree option provides comprehensive foundation course work in electro-mechanical industrial and engineering technologies, electronic controls, mathematics and physical sciences for continuation in a four-year technology degree program. A grade average of "C" is required for automatic continuation at Central Connecticut State University's School of Technology, where you can earn a Bachelor of Science degree in engineering technology, industrial technology, or technology education.

MAJOR REQUIREMENTS

(2.0 GPA required)

ELECTRO-MECHANICAL MAINTENANCE TECHNOLOGY CERTIFICATE

+ MFG* 158	Pneumatics & Hydraulics	3
+ MFG* 159	Industrial Maintenance	3
+ MFG* 162	CNC Maintenance & Repair I	3
+ MFG* 163	CNC Maintenance & Repair II	3
+ MFG* 164	Electro-Mechanical Seminar/Internship	4
Certificate Total:		16

+ MFG* 133	Math for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 202	Technical Writing	3
Any PHL* (Philosophy) course		3

FINE ARTS

A Fine Arts Elective		3-4
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
ECN* 101	Principles of Macroeconomics	3
Elective Social and Behavioral Sciences		3
(HIS* or ECN* recommended)		
Elective Social and Behavioral Sciences		3
(POL* or HIS* recommended)		

MATH AND SCIENCE

+ MAT* 123	Elementary Statistics or higher	3
+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
ECN* 101	Principles of Macroeconomics	3
SOC* 190	Self and Others: Dynamics of Diversity	3
+ MFG* 133	Math for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
Elective	Fine Arts Elective	3-4
Subtotal:		18-19

Semester 2		
+ ENG* 202	Technical Writing	3
COM* 173	Public Speaking	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3
+ MFG* 158	Pneumatics & Hydraulics	3
Elective Social and Behavioral Sciences		3
(HIS* or ECN* Recommended)		
Subtotal:		18

Semester 3		
+ MFG* 159	Industrial Maintenance	3
+ MFG* 162	CNC Maintenance & Repair I	3
+ MAT* 123	Elementary Statistics or higher	3
PHL* XXX	Any Philosophy Course	3
+ PHY* 110	Introductory Physics	4
Subtotal:		16

Semester 4		
+ MFG* 163	CNC Maintenance & Repair II	3
+ MFG* 164	Electro-Mechanical Seminar/Internship	4
+ CHE* 111	Concepts of Chemistry	4
Elective Social and Behavioral Sciences		3
(POL* or HIS* Recommended)		
Subtotal:		14
MINIMUM TOTAL:		66

Technology Studies: Manufacturing Electronics & Controls Technology Option (Associate in Science Degree)

Pathway to entry into Central Connecticut State University School of Technology
(2.0 GPA required with no grade less than "C")

The Technology Studies—Manufacturing Electronics & Controls Technology Option provides a solid comprehensive Manufacturing foundation in engineering technology, industrial technology, mathematics, and sciences, as provided by the standard Technology Studies program, but with a concentrated focus on manufacturing electronics and controls technology. The degree option includes a 15 semester hour core course sequence in Manufacturing Electronics Fundamentals followed by a 15 semester hour capstone course sequence specialization in Manufacturing Electronics Systems & Controllers. Completion of this program with an average grade "C" or higher provides for automatic continuation at Central Connecticut State University's School of Technology or Charter Oak State College, where the student can earn a bachelor of science degree in engineering technology, industrial technology, or technology education.

MAJOR AREA REQUIREMENTS

MANUFACTURING ELECTRONICS FUNDAMENTALS CERTIFICATE

+ MFG* 133	Mathematics for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3
+ MFG* 140	Robotics	3

Certificate, Subtotal: 15

MANUFACTURING ELECTRONICS SYSTEMS & CONTROLLERS CERTIFICATE

+ MFG* 142	Electronic Circuits & Devices	3
+ MFG* 143	Industrial Motor Controls	3
+ MFG* 145	Electronic Variable Speed Drive Systems	3
+ MFG* 146	Programmable Logic Controllers	3
+ MFG* 147	Microprocessor/Microcontroller	3

Certificate, Subtotal: 15

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition (Minimum "C" grade required)	3
+ ENG* 202	Technical Writing	3
PHL* (Any Philosophy Course)		3

FINE ARTS

A Fine Arts Elective	3-4
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SOCIAL AND BEHAVIORAL SCIENCES/LIBERAL ARTS

SOC* 190	Self and Others: Dynamics of Diversity	3
ECN* 101	Principles of Macroeconomics	3
Elective Social and Behavioral Sciences (HIS* or ECN* Recommended)		3
Elective Social and Behavioral Sciences (POL* or HIS* Recommended) OR		3
Liberal Arts: GEO* recommended		

MATH AND SCIENCE

+ MAT* 167	Principles of Statistics	3
+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

MINIMUM TOTAL: 68

SUGGESTED SEMESTER SEQUENCE

The following is a suggested semester course sequence to complete the Manufacturing Electronics & Controls Technology option.

The Manufacturing Electronics Fundamentals Certificate provides a base Manufacturing Electronics skills set. This is followed by the Manufacturing Electronics Systems and Controllers Certificate.

Semester 1

+ MFG* 133	Mathematics for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3
+ MFG* 140	Robotics	3

Subtotal: 15

Semester 2

+ MFG* 142	Electronic Circuits & Devices	3
+ MFG* 143	Industrial Motor Controls	3
+ MFG* 145	Electronic Variable Speed Drive Systems	3
+ MFG* 146	Programmable Logic Controllers	3
+ MFG* 147	Microprocessor/Microcontroller	3

Subtotal: 15

Semester 3

+ CHE* 111	Concepts of Chemistry	4
COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
+ MAT* 167	Principles of Statistics	3
SOC* 190	Self and Others: Dynamics of Diversity	3
Fine Arts Elective		3-4

Subtotal: 19-20

Semester 4

ECN* 101	Principles of Macroeconomics	3
+ ENG* 202	Technical Writing	3
PHL* (Any Philosophy Course)		3
+ PHY* 110	Introductory Physics	4
Social and Behavioral Sciences/L.Arts Elective		3
Social and Behavioral Sciences/L.Arts Elective		3

Subtotal: 19

MINIMUM TOTAL: 68

Technology Studies: Manufacturing Welding Technology Option (Associate in Science Degree)

Pathway to entry into Central Connecticut State University's School of Technology (2.0 GPA required with no grade less than "C")

The Technology Studies—Manufacturing Welding Technology Option provides a solid comprehensive knowledge of welding principles as applied to modern manufacturing processes and applications. The degree option includes a 20 semester hour core course sequence in Manufacturing Welding Technology Fundamentals followed by a 9 semester hour capstone course sequence specialization in either Advanced Manufacturing Welding Technology, or Manufacturing Welding Technology Applications. Completion of this program with an average grade "C" or higher provides for automatic continuation at Central Connecticut State University's School of Technology or Charter Oak State College, where the student can earn a bachelor of science degree in engineering technology, industrial technology, or technology education.

MAJOR AREA REQUIREMENTS

MANUFACTURING WELDING TECHNOLOGY FUNDAMENTALS CERTIFICATE

+ MFG* 105	Manufacturing Math II	3
+ MFG* 124	Blueprint Reading I	2
+ MFG* 128	Blueprint Reading for Welders	3
+ MFG* 157	Welding I	3
+ MFG* 257	Welding II	3
+ MFG* 265	Welding III	3
+ MFG* 266	Welding IV	3

Certificate, Subtotal: 20

ADVANCED MANUFACTURING WELDING TECHNOLOGY CERTIFICATE

+ MFG* 267	Metallurgy	3
+ MFG* 268	Welding V	3
+ MFG* 269	Welding VI	3

Certificate, Subtotal: 9

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
	(Minimum "C" grade required)	
+ ENG* 202	Technical Writing	3
	Two Humanities Electives	6

FINE ARTS

Fine Arts Elective	3-4
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
	Electives Social and Behavioral Sciences (History or Economics Recommended)	6

MATH AND SCIENCE

+ MAT* 123	Elementary Statistics OR Higher Level Statistics Course	3
+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

DIRECTED ELECTIVES

Choose one of the following:

PHL* OR	Fine Arts Elective	OR
+ ENG* 102	Literature & Composition	3-4

Subtotal: 41

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ MFG* 124	Blueprint Reading I	2
+ MFG* 157	Welding I	3
+ MFG* 257	Welding II	3
+ MFG* 265	Welding II	3
+ MFG* 267	Metallurgy	3
		Subtotal: 14

Semester 2: (Advanced Option)		
+ MFG* 105	Manufacturing Math II	3
+ MFG* 128	Blueprint Reading for Welders	3
+ MFG* 266	Welding IV	3
+ MFG* 268	Welding V	3
+ MFG* 269	Welding VI	3
		Subtotal: 15

Semester 3		
+ MAT* 123	Elementary Statistics	OR
+ MAT* Higher Level Statistics Course		3
+ CHE* 111	Concepts of Chemistry	4
+ ENG* 101	Composition	3
SOC* 190	Self and Others: Dynamics of Diversity	3
	Fine Arts Elective	3-4
	Social and Behavioral Sciences Elective	3
		Subtotal: 19-20

Semester 4		
+ PHY* 110	Introductory Physics	4
COM* 173	Public Speaking	3
	Philosophy or Fine Arts Elective	OR
+ ENG* 102	Literature & Composition	3-4
+ ENG* 202	Technical Writing	3
	Social and Behavioral Sciences Elective	3
	Two Humanities Electives	6
		Subtotal: 22-23
MINIMUM TOTAL: 70		